

SPLIT-1

Work Order ID 84395-1

\*84395\*

Page 1

Item ID: D4002-041

Accept

\*N9000040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Aux Tank Drain Hose Assembly, Fwd

Start Date: 11/05/2012 Start Qty: 2.00

\*2\*

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 2.00

\*2\*

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/05/11

Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4002

D

100

0.00

\*100\*

Purchasing

Purchasing

Memo

Issue P/O: 116948  
Purchase part as per Dwg D4002  
Part #: 156001-3S-0185  
Possible Supplier: Aviall / API  
Material release note required

0.00

CX 12/05/11 (2)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

\*110\*

Packaging

Packaging

Memo

0.00

12/05/11 (2)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Work Order ID 84395

May-11-12 8:20:54 AM

**\*84395\***

Page 2

Item ID: D4002-041 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Aux Tank Drain Hose Assembly. Fwd  
 Start Date: 11/05/2012 Start Qty: 2.00 **\*2\*** Cust Item ID:  
 Required Date: 25/05/2012 Req'd Qty: 2.00 **\*2\*** Customer:  
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start **\*NR1\***  
 QC: Date: SPC (Y/N): Date: Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 0.00		<i>S 2/05/12</i>		<i>(72)</i>			
121 <b>*121*</b> Small Fab Small Fab	Memo 1- Assemble fitting, o-ring and valve as per dwg D4002 2- Install label as per dwg	0.00 0.00				<i>1X</i>			<i>[Signature] 12/06/12</i>
122 <b>*122*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00 0.00		<i>S 2/06/12</i>					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 84395

\*84395\*

Page 3

Item ID: D4002-041

Accept

\*N9000040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Aux Tank Drain Hose Assembly, Fwd

Start Date: 11/05/2012 Start Qty: 2.00 \*2\*

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 2.00 \*2\*

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start \*NR1\*  
QC: Date: SPC (Y/N): Date: Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: 193	0.00							
*130*									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
*140*									
QC	Memo	0.00							
Quality Control									

12/6/11 (1)

12/6/12

MF

12-06-11



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng/ Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

May-11-12 8:20:59 AM

Page 1

Work Order ID: 84395

\*84395\*

Parent Item: D4002-041

\*D4002-041\*

Parent Item Name: Aux Tank Drain Hose Assembly, Fwd

Start Date: 11/05/2012

Required Date: 25/05/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP rev A 10.01.21 new issue Prelim EC verified by:DD IPP rev B  
10.11.03 added MS29528-04 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156001-3S-0185 *156001-3S-0185* Hose Assembly		Purchased	No			110	Each	0.0000	1	2			
AN894D4-3 *AN894D4-3* Fitting		Purchased	No			121	Each	32.0000	1	2			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST328			32						
					120693		32						
MS29512-04 *MS29512-04* O-RING		Purchased	No			121	Each	35.0000	1	2			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST293			32						
					120693		32						
				ST294			3						
					118853		3						
MS29528-4 *MS29528-4* FUEL DRAIN VALVE		Purchased	No			121	Each	2.0000	1	2			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				GA			2						
					120528		2						
D2182-045 *D2182-045* Heat Shrink 4.5" Long		Manufactured	No			121	Each	0.0000	1	2			

321864

12/20/11

4/25/12 @  
EP 12/06/11

EP 12/06/11

EP 12/06/11

M122035 @

EP 12/06/11



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng-/ Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries



# Picklist Print

May-11-12 8:20:59 AM

Page 2

Work Order ID: 84395

\*84395\*

Parent Item: D4002-041

\*D4002-041\*

Parent Item Name: Aux Tank Drain Hose Assembly, Fwd

Start Date: 11/05/2012

Required Date: 25/05/2012

Start Qty: 2.00

Required Qty: 2.00

D2729-1

Manufactured No

121

Each

0.0000

1

2

\*D2729-1\*

Dart Logo label

\*\*

*Signature*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng/ Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

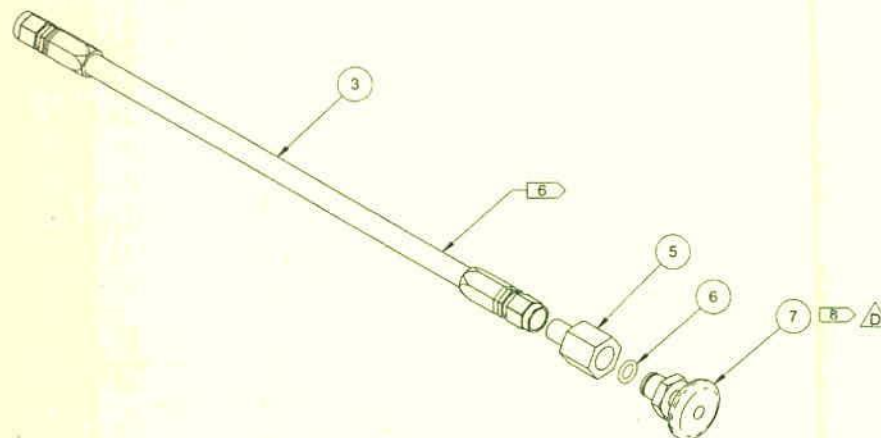


ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD.	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	

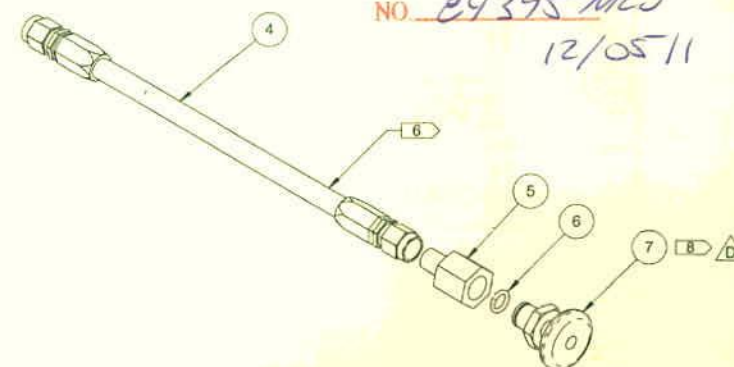
SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT

WITHOUT NOTICE  
WORK ORDER

NO. 24395 MLCJ  
12/05/11



D4002-041 DRAIN HOSE - FRONT



D4002-043 DRAIN HOSE - REAR

RELEASED  
2011-11-16  
JW

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK.
  - 7) WEIGHT: D4002-041 - 0.21 lbs  
D4002-043 - 0.20 lbs
  - 8) DRAIN VALVE MAY NOT APPEAR EXACTLY AS PICTURED

REV.	DESCRIPTION	BY	DATE
D	ADDED NOTE 8	DC	11.10.06
C	ADDED 8.00" TO D4002-1/-3 HOSES; AFFECTED WEIGHT	MB	11.09.14
B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	HS	10.11.03
A	NEW ISSUE	HS	10.03.01
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.10.06		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4002** REV. D  
SHEET 1 OF 2  
TITLE **HOSE ASSEMBLY** SCALE NTS

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

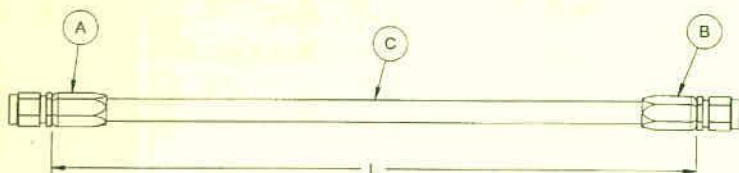
**NOTE:** Date & initial all entries



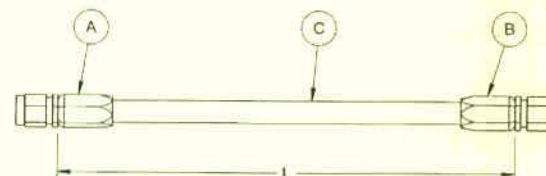
DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

## SPECIFICATION CONTROL DRAWING

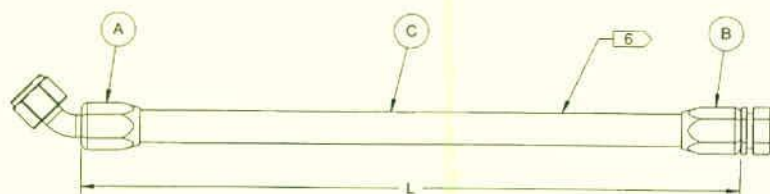
84395



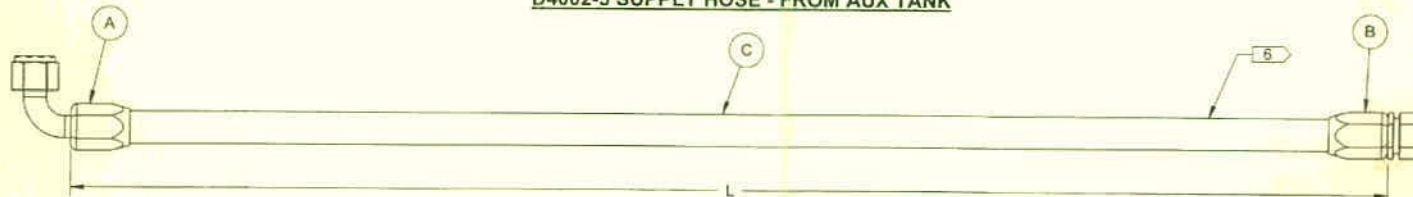
**D4002-1 HOSE ASSEMBLY**



**D4002-3 HOSE ASSEMBLY**



**D4002-5 SUPPLY HOSE - FROM AUX TANK**



**D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK**

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0185	AVIAL/API	17.90	676-3S	676-3S	156-3	0.16 lbs
D4002-3	156001-3S-0154	AVIAL/API	14.76	676-3S	676-3S	156-3	0.15 lbs
D4002-5	156003-6D-0102	AVIAL/API	8.94	676-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIAL/API	20.31	680-6D	676-6D	156-6	0.19 lbs

RELEASED  
2011-11-16

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO. <b>D4002</b>	REV. D
MFG. APPR.	<i>[Signature]</i>	SHEET 2 OF 2	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>HOSE ASSEMBLY</b>	NTS
DATE	<b>11.10.06</b>	<small>COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE LOANED FOR ANY PURPOSE OR COPIED OR TRANSMITTED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO16948

Purchase Order Date 5/11/12

PO Print Date 5/11/12

Page Number 1 of 2

Order From :

VU-AVI003

AVIALL  
PO BOX 842267  
DALLAS, TX 75284-2267  
USA

Contact Name  
Vendor Phone 905-676-1695  
Vendor Fax 905-676-9046  
Vendor Account Nbr

Buyer  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
05/11/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	193-8	Stratoflex	5/18/12 Yes	8.00 f	FedEx PI collect	\$5.0900	\$40.72
			Special Inst: AS PER DWG D4063 REV. A B84287				
			NOTE: NEED 4 PCS CUT AT 24" LONG				
2	156003-6D-0102	Hose Assembly	5/18/12 Yes	6.00 Each	FedEx PI collect	\$115.0200	\$690.12
			Special Inst: AS PER DWG D4002 REV. D B84285				
3	156001-3S-0185	Hose Assembly	5/18/12 Yes	2.00 Each	FedEx PI collect	\$109.5796	\$219.16
			Special Inst: AS PER DWG D4002 REV.D B84395				

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 5/11/12







Hose Shop 2755 Regent Blvd. DFW Airport

75261

Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

## TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Aviall Order Number: 12257731

1. 156003-6D0102 6EA.
2. 156001-3S0185 2EA. *S. L. 116*
3. 156001-3S0154 2EA.

Signed: 

Date: 5-15-12

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT 001







## PACKING LIST



SHIP

73745

PAGE: 2  
DATE: 05/15/12  
TIME: 14:11  
EMP#: 22554  
ORD TYP: RG 241  
CURRENCY: USD

CUSTOMER P.O.: PO16948

ORDER NUMBER: 0012257731- 73745

ORDER DATE: 05/14/12

SHIP VIA: FED PLAM - COLLECT

B 032028  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 41270  
H AVIALL DALLAS HOSE SHOP  
I AVIALL  
P HOSE SHOP  
F 2755 REGENT BLVD  
R DFW AIRPORT TX 75261-9048  
O  
M U.S.A.

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
Country of Origin: U.S.A.									
4	10	193-8 HOSE: LOW PRESSURE, RUBBER Schedule B: 4009.31.0000 LOT 412121610 IN Country of Origin: U.S.A.	2	2		0 FT	8.48	5.0900	10.18
ECCN: EAR99									
5	1S	156003-6D0102 HOSE: MED PRESSURE, RUBBER REIN ST, REF: Schedule B: 4009.22.0050 LOT 51242199 EA Country of Origin: U.S.A.	6	6		0 EA	115.02	115.0200	690.12
ECCN: EAR99									
6	1S	156001-3S0185 HOSE: MED PRESSURE, RUBBER REIN ST, REF: Schedule B: 4009.22.0050 LOT 51242198 EA Country of Origin: U.S.A.	2	2		0 EA	109.57	109.5700	219.14
ECCN: EAR99									
7	1S	156001-3S0154 HOSE: MED PRESSURE, RUBBER	2	2		0 EA	105.62	105.6200	211.24

## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Quality Assurance &amp; Training

Shipped Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR STANDARDS ACT OF 1938 AMENDED.

CUSTOMER COPY

